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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/771,547 | 01/30/2001 | Toshiyuki Sato | D-1059 | 8819 |

7590

12/20/2005

HAUPTMAN KANESAKA BERNER PATNET AGENTS, LLP
1700 Diagonal Road
Suite 310
Alexandria, VA 22314

EXAMINER

AGGARWAL, YOGESH K

| ART UNIT | PAPER NUMBER |
|----------|--------------|
|----------|--------------|

2615

DATE MAILED: 12/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|---|---------------------------------------|------------------------------------|--|
| Advisory Action Before the Filing of an Appeal Brief | Application No. 09/771,547 | Applicant(s) SATO ET AL. | |
| | Examiner Yogesh K. Aggarwal | Art Unit 2615 | |

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 23 November 2005 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. ☒ The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

- a) ☒ The period for reply expires 3 months from the mailing date of the final rejection.
 b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. ☐ The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. ☐ The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because
 (a) ☐ They raise new issues that would require further consideration and/or search (see NOTE below);
 (b) ☐ They raise the issue of new matter (see NOTE below);
 (c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
 (d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).

5. ☐ Applicant's reply has overcome the following rejection(s): _____.

6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

7. ☒ For purposes of appeal, the proposed amendment(s): a) ☐ will not be entered, or b) ☒ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: _____.

Claim(s) objected to: _____.

Claim(s) rejected: 1,4,5 and 7.

Claim(s) withdrawn from consideration: _____.

AFFIDAVIT OR OTHER EVIDENCE

8. ☐ The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).

9. ☐ The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).

10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

11. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because:
See attached sheet.

12. ☐ Note the attached Information Disclosure Statement(s). (PTO/SB/08 or PTO-1449) Paper No(s).

13. ☐ Other: _____.



DAVID OMETZ
SUPERVISORY PATENT EXAMINER

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Examiner's response:

1. Applicant argues regarding claims 1 that Izumi fails to teach a converting layer that is both i) a vapor-deposited polycrystalline film of CdTe or CdZnTe and ii) located on the pixel electrodes as claimed. The Examiner respectfully disagrees. Izumi was only used to teach a converting layer that is vapor-deposited polycrystalline film of CdTe or CdZnTe and not a converting layer that is located on the pixel electrodes. The portion reciting converting layer being located on the pixel electrodes was shown in Applicant's admitted prior art. As clearly taught in Paragraph 3 and figures 2 and 3 of the Applicant's admitted prior art, converting layer 1 of a photoconductive layer is formed on active matrix board 10 comprising base plate 11, charge storage capacitances 2, pixel electrodes 1a and other elements. Therefore converting layer 1 is formed on the pixel electrodes 1a. Izumi clearly states the semiconductor layer 19 (converting layer) that is a photoconductive layer being formed of a vapor-deposited (MOCVD) polycrystalline film made of CdTe or CdZnTe (col. 9 lines 35-45, col. 10 lines 61-65) and therefore Izumi is being used to teach converting layer that is vapor-deposited polycrystalline film of CdTe or CdZnTe.

2. Applicant argues that there is no motivation to combine the Applicant's admitted prior art with Izumi. The Examiner respectfully disagrees. Izumi teaches that polycrystalline CdTe or CdZnTe can be used as the material for the semiconductor layer 19 so as to be provided at a film formation temperature of not lower than 400.degree. C. by the MOCVD method. Izumi clearly teaches that a benefit of doing so would be to **provide enhancement of sensitivity to X-rays as compared with a two-dimensional image detector utilizing a-Se in the semiconductor layer 19, thereby enabling to obtain image data corresponding to animated drawings, that is,**

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image data at 33 msec/frame (col. 10 line 65-col. 11 line 3). Therefore Izumi does have a motivation for having used a polycrystalline layer of CdTe or CdZnTe as the material for the semiconductor layer 19.


Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yogesh K. Aggarwal whose telephone number is (571) 272-7360. The examiner can normally be reached on M-F 9:00AM-5:30PM.

3. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Ometz can be reached on (571)-272-7593. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

4. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

YKA
November 29, 2005


DAVID OMETZ
SUPERVISORY PATENT EXAMINER